

## ABSTRACT

A controllably rotatable seat having an arm to which one or more seats are attached. The arm is rotatably connected to a carrier. An electrical motor, pneumatics, hydraulics, or any other mechanism that is well known in the art for producing rotation rotates the arm and, consequently, the seat or seats. Initiation of rotation and returning of the seat or seats to their original orientation is accomplished by a timer, a sensor detecting targets, or the measurement of some physical criterion associated with movement of the carrier. Preferably, a lever arm connects the arm to the means for rotating so that the point of rotation of the means for rotating will be substantially aligned with the center of gravity of a participant sitting on the seat.